

**INFORMATION DISCLOSURE CITATION**  
**FOR AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
CIBT-P02-060Application Number  
09/635370Applicant  
PangFiling Date  
09-Aug-2000Group Art Unit  
1636

JUN 22 2001

**U.S. PATENT DOCUMENTS**

TECH CENTER 1600/2900

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KFD	AA 5888705	30-Mar-1999	Rubin et al.	435	366	28-Apr-1995
KFD	AB 6001647	14-Dec-1999	Peck et al.	435	325	25-Oct-1995

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

KFD	AC	Ahlgren, U. et al. "Arrested development of the pancreas in IPF1/PDX1 deficient mice reveals that the pancreatic mesenchyme develops independently of the pancreatic epithelium", Development 122:1409-1416 (1996). "The morphogenesis of the pancreatic mesenchyme is uncoupled from that of the pancreatic epithelium in IPF1/PDX-1 deficient mice"				
	AD	Apelqvist, A. et al, "Sonic hedgehog directs specialized mesoderm differentiation in the intestine and pancreas", Curr. Biol. 7: 801-804 (1997).				
	AE	Asada, N. et al., "Identification of $\alpha$ - and $\beta$ -cells in Intact Isolated Islets of Langerhans by Their Characteristic Cytoplasmic Ca <sup>2+</sup> Concentration Dynamics and Immunocytochemical Staining", Diabetes 37:751-757 (1998).				
	AF	Bensley, R.R, "Studies on the pancreas of the guinea pig. Amer. J. Anat. 12, 297-388 (1911).				
	AG	Bonner-Weir, S. et al., "A Second Pathway for Regeneration of Adult Exocrine and Endocrine Pancreas: A Possible Recapitulation of Embryonic Development", Diabetes 42: 1715-1720 (1993).				
	AH	Bosco, D. et al., "Homologous but not heterologous contact increases the insulin secretion of individual pancreatic B-cells", Exp. Cell Res. 184:72-80 (1989).				
	AI	Brady, G., et al., "Analysis of gene expression in a complex differentiation hierarchy by global amplification of cDNA from single cells", Current Biology 5: 909-922 (1995).				
	AJ	Brons, G., et al., "Glucocorticoids stimulate the division of rat pancreatic islet tumour cells in tissue culture", Daibetologia 27:540-544 (1984).				
	AK	Cossel, L., "Intermediate cells in the adult human pancreas: contribution to the transformation of differentiated cells in vertebrates", Virchows Arch [Cell Pathol.] 47: 313-328 (1984).				
	AL	Domen, J. et al., "Self-renewal, differentiation, or death: regulation and manipulation of hematopoietic stem cell fate", Molecular Medicine Today 5: 201-208 (1999).				
	AM	Dulac, C. et al., "A Novel Family of Genes Encoding Putative Pheromone Receptors in Mammals", Cell 83: 195-206 (1995).				
	AN	Edlund, H., "Transcribing pancreas", Diabetes 47: 1817-1823 (1998).				
KFD	AO	Fernandes, A. et al., "Differentiation of New Insulin-Producing Cells is Induced by Injury in Adult Pancreatic Islets", Endocrinology 138: 1750-1762 (1997).				

Form 102449 <b>INFORMATION DISCLOSURE CITATION</b> ON AN APPLICATION (Use several sheets if necessary)		Docket Number (Optional) CIBT-P02-060	Application Number 09/635370
		Applicant Pang	
		Filing Date 09-Aug-2000	Group Art Unit 1636
KFO	AP	Githens, S., "The pancreatic duct cell: proliferative capabilities, specific characteristics, metaplasia, isolation, and culture", J. Ped. Gastroenterol. and Nutr. 7:486-506 (1988).	
	AQ	Githens, S. et al., "Isolation and culture of hamster pancreatic ducts", J. Tissue Cult. Methods 8:97-102 (1983).	
	AR	Githens, S. et al., "Biochemical and histochemical characterization of cultured rat and hamster pancreatic ducts" Pancreas 2, 427-438 (1987).	
	AS	Githens, S. et al., "Rat Pancreatic Interlobular Duct Epithelium: Isolation and Culture in Collagen Gel", In Vitro Cell Dev. Biol. 25: 679-688 (1989).	
	AT	Gladhaug I.P. et al., "Regulation of Surface Expression of High-Affinity Receptors for Epidermal Growth Factor (EGF) in Hepatocytes by Hormones, Differentiating Agents, and Phorbol Ester", Dig. Dis. Sci. 37:233-239 (1992).	
	AU	Goloslow, N. et al., "Epitheliomesenchymal interactions in pancreatic morphogenesis", Dev. Biol. 4: 242-255 (1962).	
	AV	Gu, D. et al., "Epithelial cell proliferation and islet neogenesis in IFN-g transgenic mice", Development 118: 33-46 (1993).	
	AW	Gu, D., et al., "Transitional cells in the regenerating pancreas", Development 120: 1873-1881 (1994).	
	AX	Halban, P.A. et al., "The Possible Importance of Contact between Pancreatic Islet Cells for the Control of Insulin Release", Endocrinology 111: 86-94 (1982).	
	AY	Heimann T.G. et al., "Rat Pancreatic Duct Epithelium Cultured on a Porous Support Coated with Extracellular Matrix", Pancreas 6: 514-521 (1991).	
	AZ	Henquin J.C. et al., "Opposite Effects of Tolbutamide and Diazoxide on 86Rb+ Fluxes and Membrane Potential in Pancreatic B-cells", Biochem. Pharmacol. 31: 1407-1415 (1982).	
	BA	Huotari, M.A. et al., "Growth Factor-Mediated Proliferation and Differentiation of Insulin-Producing INS-1 and RINm5F Cells: Identification of Betacellulin as a Novel $\beta$ -Cell Mitogen", Endocrinology 139: 1494-1499, (1998).	
	BB	Kalkhoff, R.K. et al., "Fluctuations of Calcium, Phosphorus, Sodium, Potassium, and Chlorine in Single Alpha and Beta Cells during Glucose Perfusion of Rat Islets", J. Clin. Invest. 68: 517-524 (1981).	
	BC	King, H., et al., "Global burden of diabetes, 1995-2025: Prevalence, numerical estimates, and projections", Diabetes Care 21: 1414-1431 (1998).	
	BD	Korbitt, G.S., et al., "Islet Transplantation", Adv. Exp. Med. Biol. 426: 397-410 (1997).	
	BE	Korsgren, O. et al., "In vitro Screening of Putative Compounds Inducing Fetal Porcine Pancreatic $\beta$ -cell Differentiation: Implications for Cell Transplantation in Insulin-dependent Diabetes Mellitus", Ups. J. Med. Sci. 98: 39-52 (1993).	
KFO	BF	Lambillote C., et al., "Direct Glucocorticoid Inhibition of Insulin Secretion: An In Vitro Study of Dexamethasone Effects in Mouse Islets", J. Clin. Invest. 99: 414-423 (1997).	

Form PTO-1449

## INFORMATION DISCLOSURE CITATION

## IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

CIBT-P02-060

Application Number

09/635370

Applicant

Pang

Filing Date

09-Aug-2000

Group Art Unit

1636

BG

Lampeter, E.F. et al., "Regeneration of  $\beta$ -cells in response to islet inflammation", Exp. Clin. Endocrinol. Diabetes 103 (suppl 2): 74-78 (1995).

BH

Madsen, O.D. et al., "Pancreatic development and maturation of the islet B cell", Eur. J. Biochem. 242: 435-445 (1996).

BI

Malaisse, W.J. et al., "Insulin Release: The Fuel Hypothesis", Metabolism 28: 373-386 (1979).

BJ

Melander, A., "Pharmacological intervention: the antidiabetic approach", Eur. J. clin. Invest. Suppl 2: 23-26 (1998).

BK

Melmed, R.N., "Intermediate Cells of the Pancreas: An Appraisal", Gastroenterology 76, 196-201 (1979).

BL

Miettinen, P.J., "Epidermal growth factor receptor in mice and men—any applications to clinical practice?" Ann. Med. 29: 531-534 (1997).

BM

Moitoso de Vargas, L. et al., "Individual  $\beta$  cells within the Intact Islet Differentially Respond to Glucose", J. Biol. Chem. 272:26573-26577 (1997).

BN

Mukouyama, Y. et al., "In Vitro Expansion of Murine Multipotential Hematopoietic Progenitors from the Embryonic Aorta-Gonad-Mesonephros Region", Immunity 8: 105-114 (1998).

BO

Nielsen, JH. Et al., "Beta cell proliferation and growth factors", J. Mol. Med. 77: 62-66 (1999).

BP

Niki, A. et al., "Insulin Secretion by Anomers of D-Glucose", Science 186: 150-151 (1974).

BQ

Niki, A. et al., "Effects of specific inhibitors of sweet taste response on glucose-induced insulin release", Biomed. Res. 14: 13-18 (1993).

BR

Offield, M.F. et al., "PDX-1 is required for pancreatic outgrowth and differentiation of the rostral duodenum", Development 122:983-995 (1996).

BS

Ohlsson, H. et al., "IPF1, a homeodomain-containing transactivator of the insulin gene", EMBO J. 12: 4251-4259 (1993).

BT

Ohneda, O. et al., Blood 92: 908-919 (1998).

BU

Otonkoski, T. et al., "Hepatocyte Growth Factor/Scatter Factor has Insulinotropic Activity in Human Fetal Pancreatic Cells", Diabetes 42: 947-953 (1994).

BV

Otonkoski, T. et al., "Nicotinamide is a Potent Inducer of Endocrine Differentiation in Cultured Human Fetal Pancreatic Cells", J. Clin. Invest. 92: 1459-1466 (1993).

BW

Rall, L. et al., "Glucocorticoids Modulate the In Vitro Development of the Embryonic Rat Pancreas", J. Cell Biol. 75 (2 Pt 1): 398-409 (1977).

David Lambertson

9/24/02

RECEIVED

Form PTO-1449		Docket Number (Optional) CIBT-P02-060		Application Number 09/635370	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Pang		Filing Date 09-Aug-2000	
JUN 2 0 2001 KFD PATENT & TRADEMARK CBX		TECH CENTER 1600/2900		Group Art Unit 1636	
		Rindler, M.J. et al., "Retention of Differentiated Properties in an Established Dog Kidney Epithelial Cell Line (MDCK)", J. Cell Biol. 81: 635-648 (1979).			
	BY	Rosenberg L., "In vivo cell transformation: neogenesis of beta cells from pancreatic ductal cells", Cell Transplant. 4: 371-383 (1995).			
	BZ	Sanvito, F. et al., "TGF- $\beta$ 1 influences the relative development of the exocrine and endocrine pancreas in vitro", Development 120: 3451-3462 (1994).			
	CA	Sato, Y. et al., "Glucose Regulation of Insulin Secretion Independent of the Opening or Closure of Adenosine Triphosphate-Sensitive K <sup>+</sup> Channels in $\beta$ Cells", Endocrinology 140: 2252-2257 (1999).			
	CB	Schuitt, F., "Factors Determining the Glucose Sensitivity and Glucose Responsiveness of Pancreatic Beta Cells", Horm. Res. 46: 99-106 (1996).			
	CC	Secchi, A. et al., "Pancreas and islet transplantation: current progresses, problems and perspectives", Horm. Matab. Res. 29: 1-8 (1997).			
	CD	Shaw, J.W. et al., "Regeneration of pancreatic tissue from the transplanted pancreatic duct in the dog", Am. J. Physiol. 76: 49-53 (1926).			
	CE	Sjoholm, A., "Diabetes mellitus and impaired pancreatic $\beta$ -cell proliferation", J. Intern. Med. 239: 211-220 (1996).			
	CF	Song, S.Y. et al., "Expansion of Pdx1-Expressing Pancreatic Epithelium and Islet Neogenesis in Transgenic Mice Overexpressing Transforming Growth Factor $\alpha$ ", Gastroenterology 117: 1416-1426 (1999).			
	CG	Sorenson, R.L. et al., "Adaptation of islets of Langerhans to pregnancy: beta-cell growth, enhanced insulin secretion and the role of lactogenic hormones", Horm. Metab. Res. 29: 301-307 (1997).			
	CH	Sutherland, D.E., "Pancreas and Islet Cell Transplantation: Now and Then", Transplant Proc. 28: 2131-2133 (1996).			
	CI	Thomas, P. et al., "Mutation of the pancreatic islet inward rectifier Kir6.2 also leads to familial persistent hyperinsulinemic hypoglycemia of infancy", Hum. Mol. Genet. 5: 1809-1812 (1996).			
	CJ	Trube, G. et al., "Opposite effects of tolbutamide and diazoxide on the ATP-dependent K <sup>+</sup> channel in mouse pancreatic $\beta$ -cells", Pfluegers Arch. Eur. J. Physiol. 407: 493-499 (1986).			
	CK	Upchurch, B.H. et al., "Expression of peptide YY in all four islet cell types in the developing mouse pancreas suggests a common peptide YY-producing progenitor", Development 120: 245-252 (1994).			
	CL	Van Nest, G. et al., "Effects of Dexamethasone and 5-Bromodeoxyuridine on Protein Synthesis and Secretion During In Vitro Pancreatic Development", Dev. Biol. 98: 295-303 (1983).			
	CM	Wang, J.-L. et al., "Secretagogue-Induced Oscillations of Cytoplasmic Ca <sup>2+</sup> in single $\beta$ - and $\alpha$ -Cells Obtained from Pancreatic Islets by Fluorescence-Activated Cell Sorting", Biochem. Biophys. Res. Comm. 166: 813-818 (1990).			
	CN	Wang, R.N. et al., "Duct- to islet-cell differentiation and islet growth in the pancreas of duct-ligated adult rats", Diabetologia 38: 1405-1411 (1995).			

David Lambertson

9/24/02

RECEIVED

## INFORMATION DISCLOSURE CITATION

## IN AN APPLICATION

(See several sheets if necessary)

Docket Number (Optional)  
CIBT-P02-060Application Number  
09/635370Applicant  
Pang

JUN 22 2001

Filing Date  
09-Aug-2000

TECH CENTER 1600/2900

Group Art Unit  
1636

CO

Warren, S. et al., "The pathology of diabetes, with special reference to pancreatic regeneration", Am. J. Pathol. 1: 415-429 (1925).

CP

Weir, G.C. et al., "Scientific and Political Impediments to Successful Islet Transplantation", Diabetes 46: 1247-1256 (1997).

CQ

Wessels, N.K. et al., "Early pancreas morphogenesis: morphogenesis, tissue interactions and mass effects", Dev. Biol. 15: 237-270 (1967).

CR

Wollheim, C.B. et al., "Regulation of Insulin Release by Calcium", Physiol. Rev. 61: 914-973 (1981).

CS

Yuan, S. et al., "Transdifferentiation of human islets to pancreatic ductal cells in collagen matrix culture", Differentiation 61: 67-75 (1996).

EXAMINER

Katharine F. Davis

DATE CONSIDERED

6-26-01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE